

Develop the Python Script

Team ID	PNT2022TMID38800
Project Name	IoT Based Safety Gadget for Child Safety Monitoring & Notification

Python Program:

python.py - D:\IBM Project\python.py (3.10.8)

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```
import json
import collections.abc
import wiotp.sdk.device
import time
myConfig = {
    "identity": {
        "orgId": "s2m7ix",
        "typeId": "Child_Tracker",
        "deviceId": "Child_Tracker123"},
    "auth": {
        "token": "Child_Tracker123"
    }
}
client = wiotp.sdk.device.DeviceClient(config=myConfig ,logHandlers=None)
client.connect()
while True:
    name = "Child"
    #child is in park
    #latitude = 11.56245
    #longitude = 79.59692
    #child is outside 11.560738230656101, 79.59760827051736
    latitude = 11.560738
    longitude = 79.597608

    myData = {'name':name,'lat':latitude, 'lon':longitude}
    client.publishEvent(eventId="status",msgFormat="json",data=myData,qos=0,onPublish=None)
    print("Data published to IBM IoT platform : ",myData)
    time.sleep(20)
client.disconnect()
```

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OUTPUT:

IDLE Shell 3.10.8

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```
Python 3.10.8 (tags/v3.10.8:aaaf517, Oct 11 2022, 16:50:30) [MSC v.1933 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: D:\IBM Project\python.py =====
2022-11-14 21:21:30,418 wiotp.sdk.device.client.DeviceClient INFO Connected successfully: d:s2m7ix:Child_Tracker:Child_Tracker123
Data published to IBM IoT platform : {'name': 'Child', 'lat': 11.56245, 'lon': 79.59692}
Data published to IBM IoT platform : {'name': 'Child', 'lat': 11.56245, 'lon': 79.59692}
Data published to IBM IoT platform : {'name': 'Child', 'lat': 11.56245, 'lon': 79.59692}
|
```

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